

Title (en)

SELECTIVE PROCESSING OF FILE SYSTEM OBJECTS FOR IMAGE LEVEL BACKUPS

Title (de)

SELEKTIVE AUSWAHL VON DATEISYSTEMOBJEKTEN FÜR BACKUPS AUF BILDEBENE

Title (fr)

TRAITEMENT SÉLECTIF D'OBJETS DE SYSTÈMES DE FICHIERS POUR SAUVEGARDES AU NIVEAU IMAGE

Publication

EP 2580662 B1 20170503 (EN)

Application

EP 11796304 A 20110614

Priority

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- US 2011040358 W 20110614

Abstract (en)

[origin: US2011307657A1] Systems, methods, and computer program products are provided for reducing the size of image level backups. An example method receives backup parameters identifying a physical or Virtual Machine (VM) to backup and at least one file system object to include in the backup. The method connects to production storage corresponding to the selected physical or virtual machine and obtains access to data stored in disk corresponding to the selected file system object(s). The method fetches file allocation table (FAT) blocks from the disk and parses contents of the FAT blocks to determine if the disk blocks correspond to the selected file system object(s). The method creates a backup disk image FAT comprising blocks corresponding to the selected file system object(s). The method creates a reconstructed disk image FAT blocks corresponding to the backup FAT and disk image data blocks belonging to the selected file system object(s) and all other disk image data blocks are saved as zero blocks. A reconstructed disc image is compressed and stored in a backup file on backup storage, or replicated (copied) to another storage intact.

IPC 8 full level

G06F 11/14 (2006.01)

CPC (source: EP US)

G06F 11/1451 (2013.01 - EP US); **G06F 11/1464** (2013.01 - US); **G06F 16/148** (2019.01 - EP US); **G06F 16/1844** (2019.01 - EP US); **G06F 2201/80** (2013.01 - US)

Cited by

US9116846B2; US9552168B2; US9823877B2; US8943105B1; US9311003B2; US9489140B2; US9684458B2; US10078525B2; US10628208B2

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